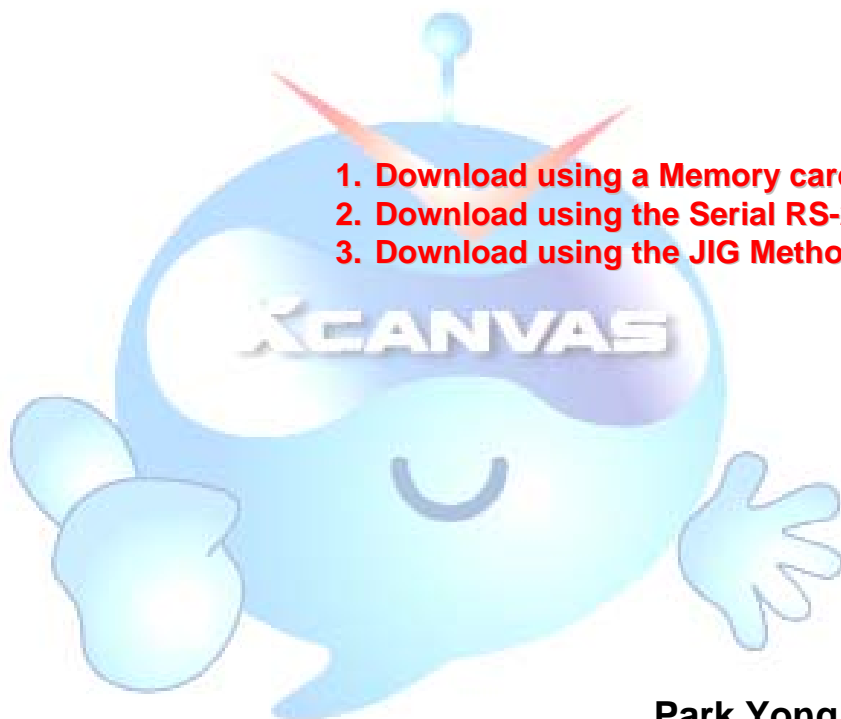


## How to download the Sub MICOM of Everest 2

1. Download using a Memory card
2. Download using the Serial RS-232C (Null Modem Cable)
3. Download using the JIG Method (Parallel to D-sub)



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DDC R&D 4 Lab. AT Gr

## 1. Download using the Memory card

Only possible with models having the Memory Card reader option

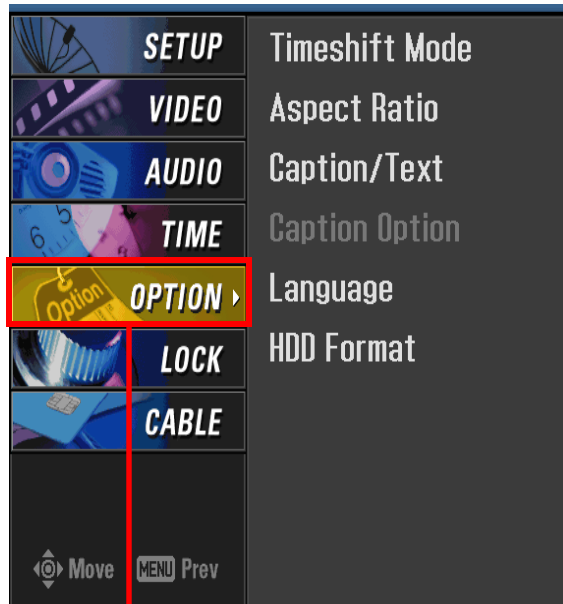


1. Download is only possible in expert mode.

## Memory Card Download ( Experts mode (1) )

Expert mode displays all download file in memory card. This is different from User mode

Expert Mode entry, is detailed below.



Highlight the 'Option' in main Menu

Press the 'Mark' key on Remote Controller 7 times..

Then Download mode page will be displayed.(next page )

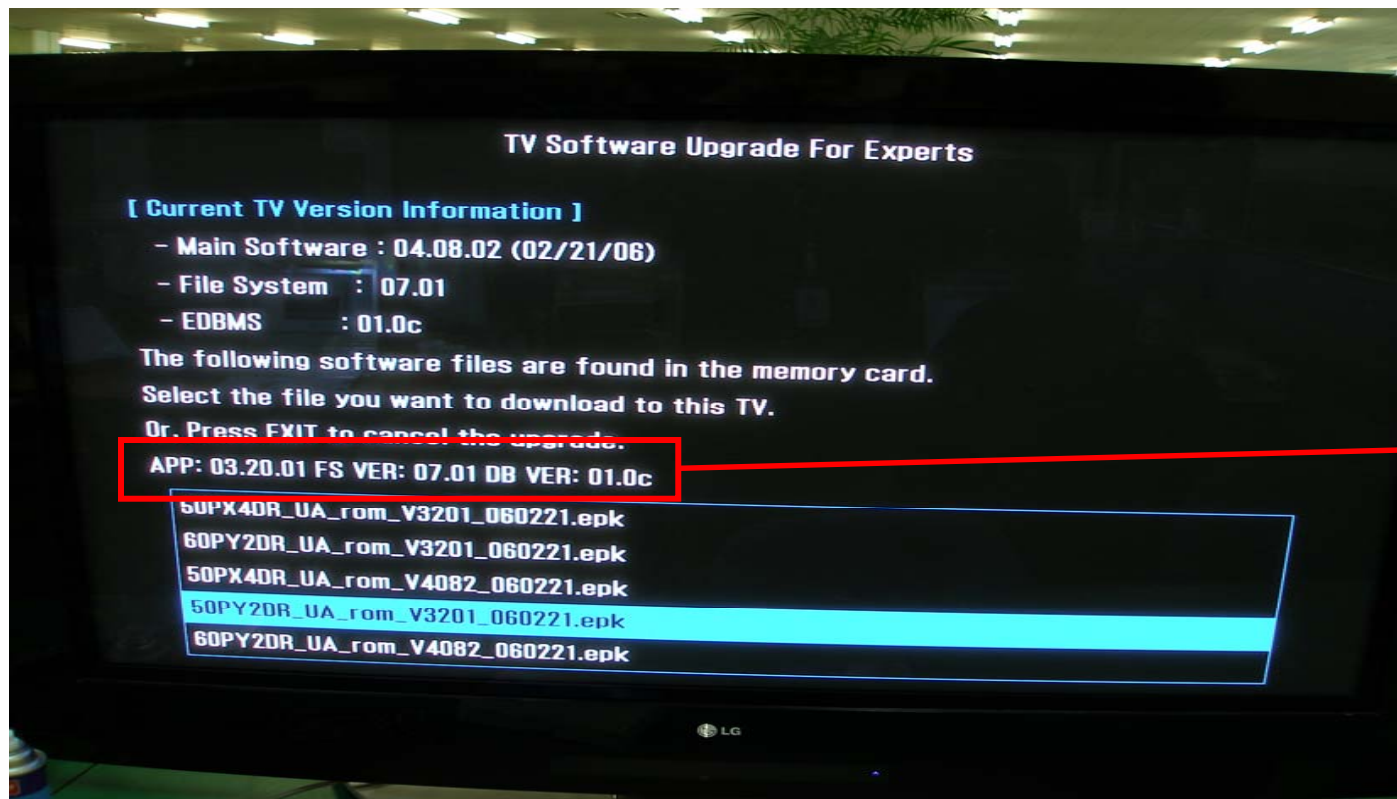


7 times!

## Memory Card Download ( Experts mode (2) )

Select the Download program.

- 1) Select the Download file using UP/DOWN key.
- 2) Start download using the 'Enter' key.



Program Version

- 1) Select the Download file using UP/DOWN key. (ex> EVEREST2\_MICOM\_V3\_05\_060322.epk)
- 2) Start download using the 'Enter' key.

※ If the Download completes successfully, Check the Version using the Adjust Remote Controller.

This is a picture of the download in progress.

(Before upgrade notification picture is displayed, Full Black screen is displayed momentarily. This is normal.)

TV Software Upgrade

The software upgrade is now in progress

Until the whole process is completed. please

**-Do not remove the memory card from the slot  
-Do not plug off.**

Reading the file.....Done

Main Software: Upgrading.....6 percent

- 1) Do not remove the memory card from the slot,
- 2) Do not plug off. Do not remove the AC power source

Lower picture is that Download has been successfully completed.

### TV Software Upgrade

The software upgrade is now in progress

Until the whole process is completed. please

-Do not remove the memory card from the slot

-Do not plug off.

Reading the file.....Done

Upgrading.....Done

The software upgrade has been successfully completed.

Press ENTER to restart the TV now.

The TV will restart automatically in 11 seconds

- 1) Press 'ENTER' key to restart the TV now.
- 2) The TV will restart automatically in remarked seconds.

- 전문가 모드 끝 -

※ If you succeed the Download, Check the Version using the Adjust Remote Controller, please.

## 2. Serial Download Guide (RS-232C)



1. Serial Download is possible in both Boot mode and Application mode.
2. Serial Download is available \*.hex and \*.epk file.
  - \*.epk download just like CPU Download (Download Menu – 0x01).
  - \*.hex download using Download Menu for MICOM (Download Menu – 0x10).

## Download Using the RS-232C (1)

Download the Hex or EPK file using LG-Term program.

How to sequence.

1. Configure program for download to the set.
2. Connect Computer and TV Set using the RS-232C ( Null Modem)Cable.
3. Confirm communication between the program and TV SET.  
(Press the keyboard keys to test connection between devices)
4. After connection, Input the password and enter the Debug Menu

Download Execution sequence using LG Term program.

1. Setup menu click & Serial Port click, right picture will be displayed.

2. Port setup  
Connect with Rs-232c.

3. Baud rate set  
115200

4. Other item set up

Port: COM1

Baud rate: 115200

Data: 8 bit

Parity: none

Stop: 1 bit

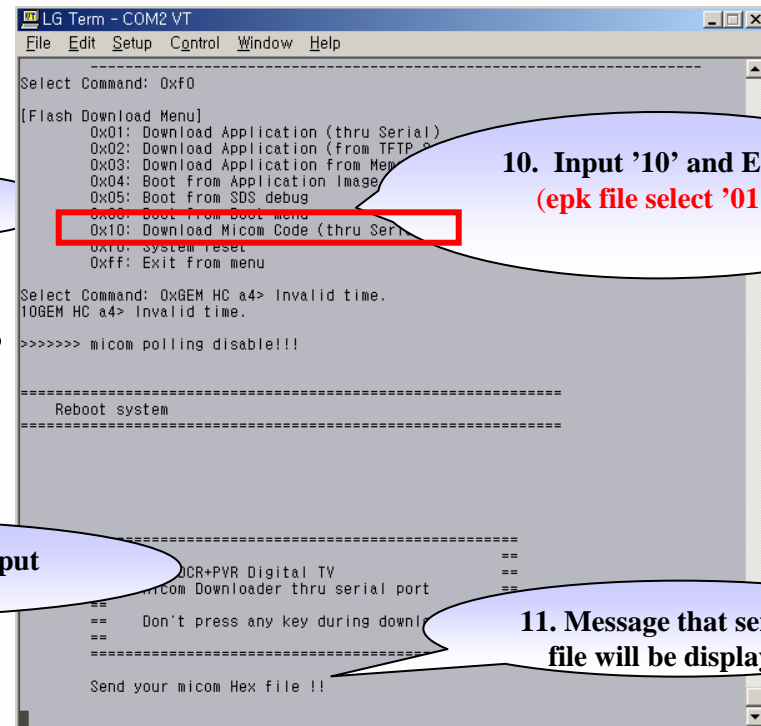
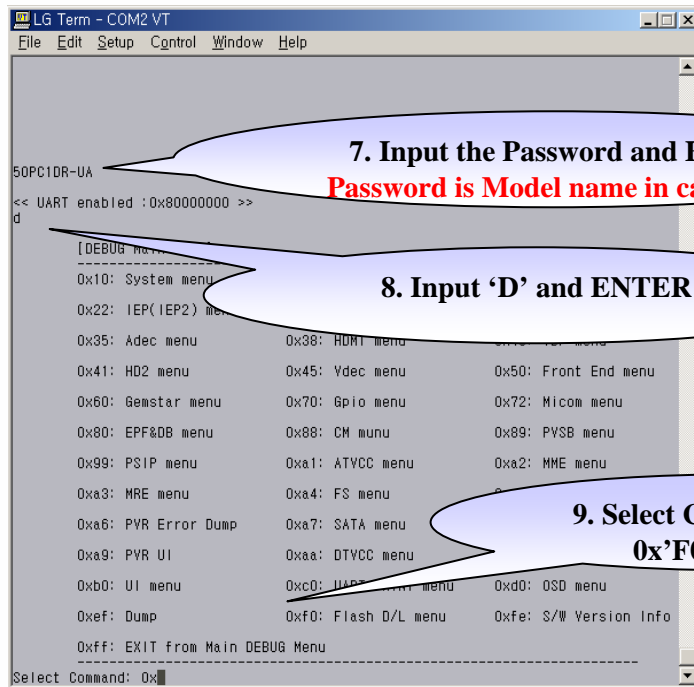
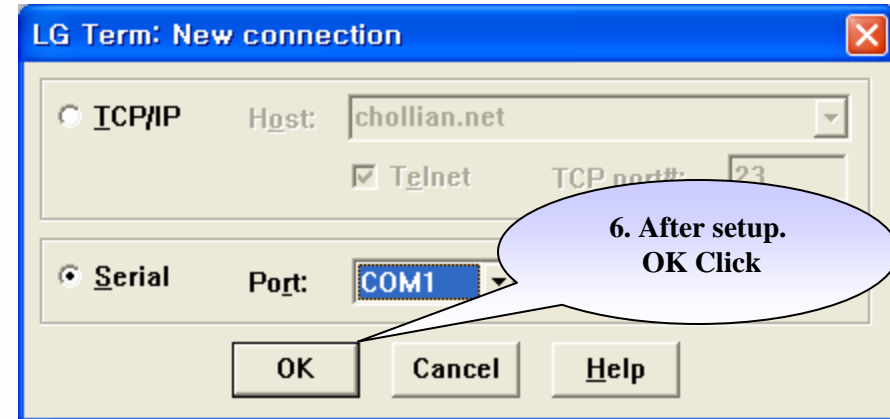
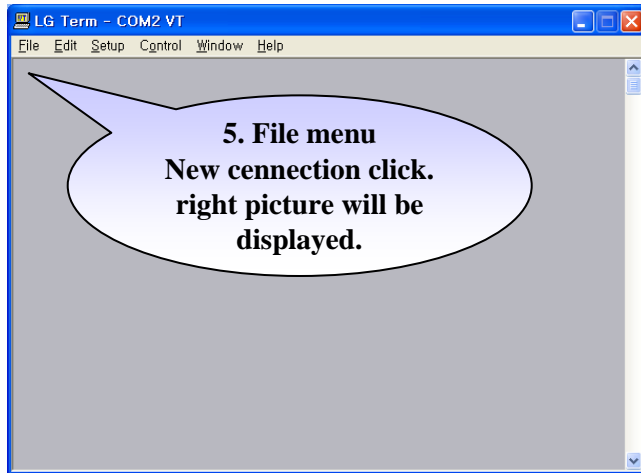
Flow control: none

Transmit delay: 0 msec/char 0 msec/line

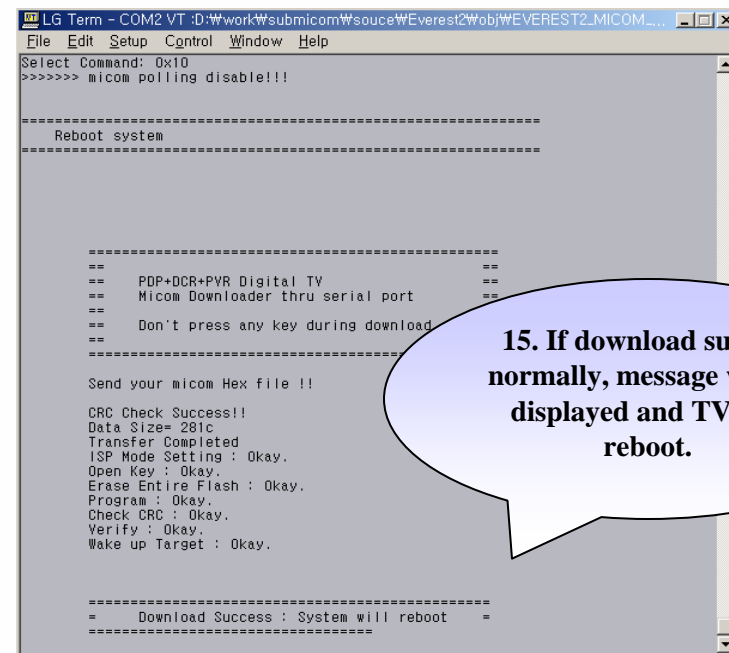
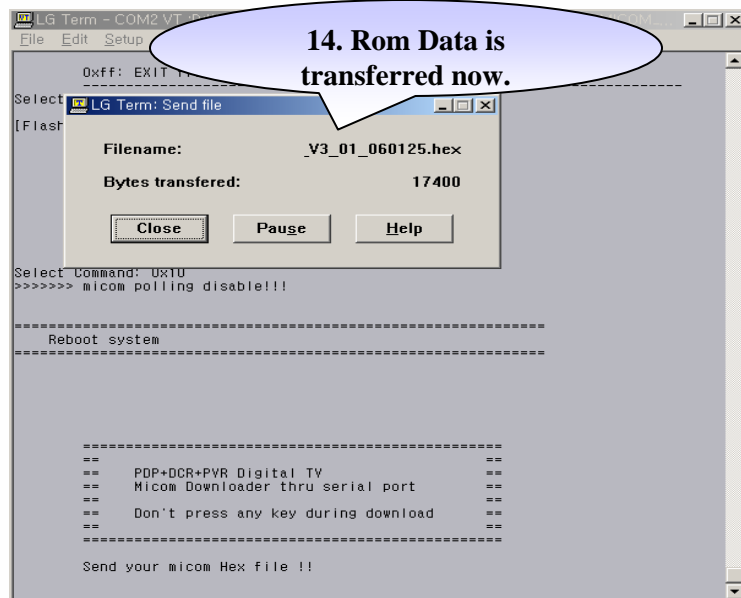
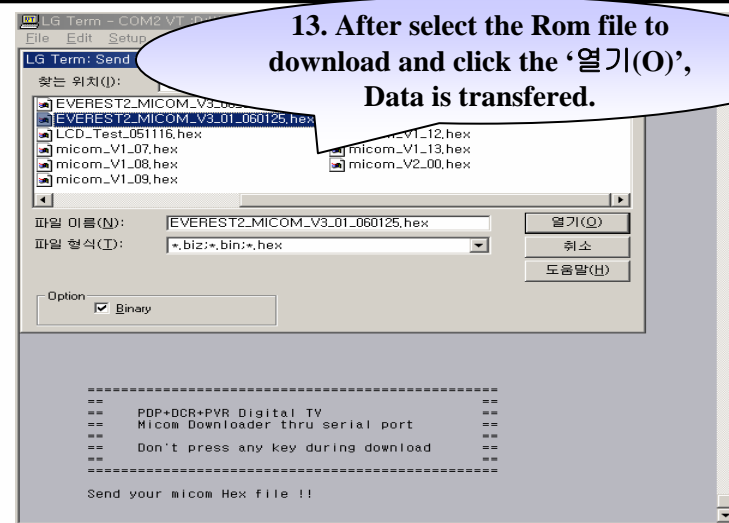
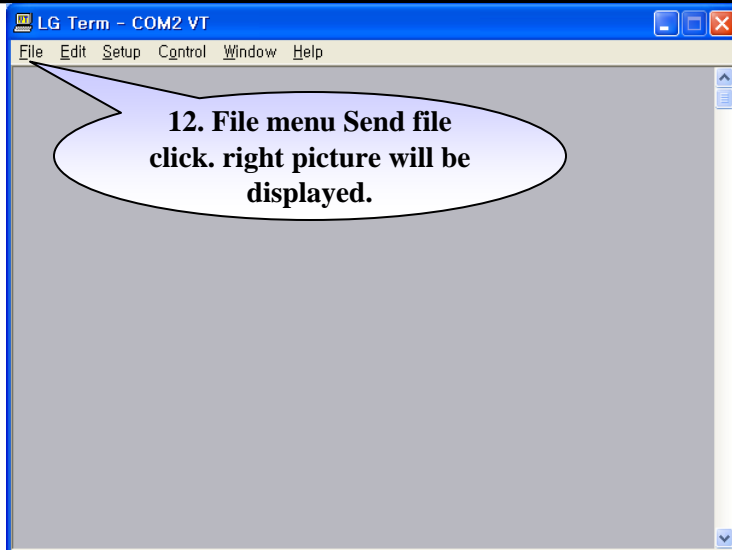
OK Cancel Help



## Download Using the RS-232C (2)



## Download Using the RS-232C (3)



### 3. How to JIG (parallel to D-sub) Download

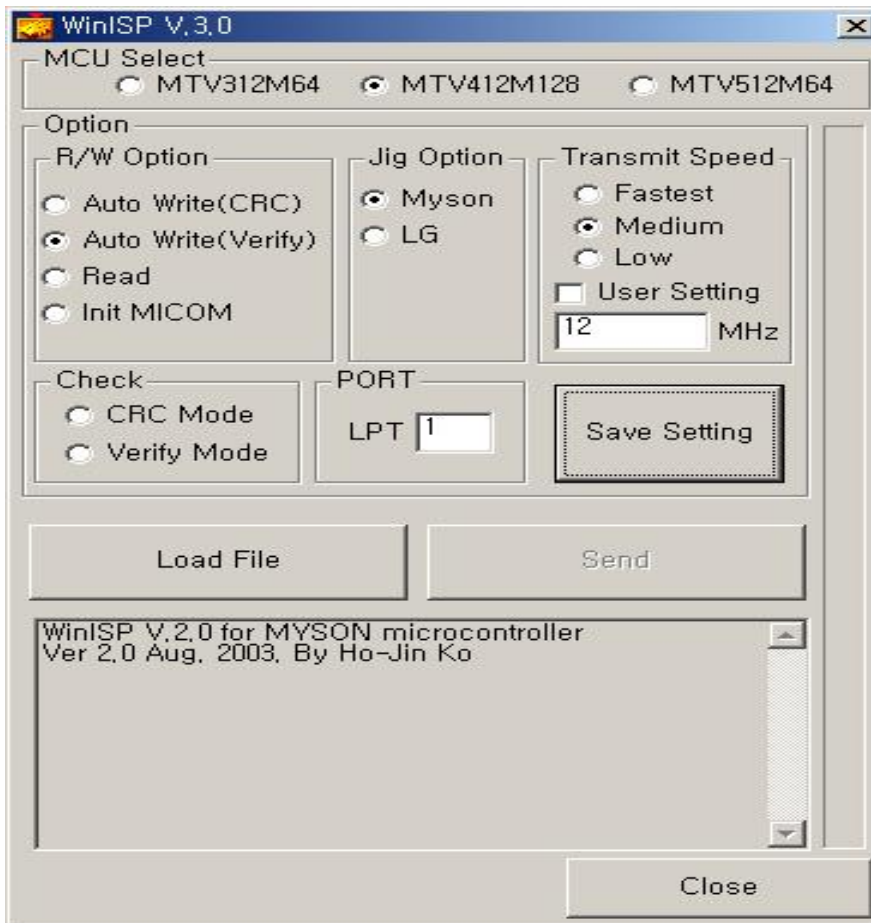
1. If the power of MTV416 micom and the oscillation of HSCL1, HSDA1 Line is normal, Downloading using JIG is always possible.  
S/W Download is possible without Boot. (using \*.hex file)
2. In never programmed status, Stand-by status is only possible. If programmed more than once, MICOM acts as RS-232C Standby status. Download after Powering on or Inputting the Txt key using an Adjust remote control.
3. Connection is using PC Pallel Port and download JIG, reconnect download Jig and D-Sub of board.

## Download using the JIG

### \*\*\* Win ISP 3.0 \*\*\*

1. Set up the program configuration for Download.(picture reference.)
  - \* caution: LPT must select EPP at Rom BIAS configuration.
2. Send after select Load File and Load Hex File.

Win ISP V.3.0 Configuration picture



Win ISP V.3.0 ISP Complete picture

